

1/1

P- loop

Ae-dNK MAAATGPERLG---VAGKKPPTVVEGNI GSGKTFE LNHF EKFKIRVCLLTPVEKWRDC
 Ag-dNK -MPPIASPERLG---ASGKKPPTVVEGNI GSGKTFE LNHF EKQENI-ICLLTPVEKWRNNC
 Dm-dNK MAETAASCARKETKYAEGTQPTVVEGNI GSGKTFE LNHF EKQENDICLLTPVEKWRNV
 Bm-dNK -----MS-----ANNVKPPTVVEGNI GSGKTFE LNHF EKQENI-ITLLTPVEKWRDL
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Ae-dNK GGVNLLLELMYKESHPHWAMPFOYVVTLTMLNMTYQTDKSVKLMERSMFSARYCFVENMLA
 Ag-dNK GGVNLLLELMYKESHPHWAMPFOYVVTLTMLDMITCOTDKSVKLMERSLFSARNCFVFSMLA
 Dm-dNK NGVNLLLELMYKESHPHWAMPFOYVVTLTMLQSHIAPTNKKEKLMERSMFSARYCFVENMRR
 Bm-dNK KGCNLLLELMYKESHPHWAMPFOYVVTLTMLDMIRRPAPTFFVKLMERSLFSARYCFVEHMR
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Ae-dNK SGSLHQGMYNLLQEWYEFIHANITHQADLIVYLRTSPETVYERMKKRARSEESCVPLKYI
 Ag-dNK SGSLHQGMYNVLQEWYDFICCNITHQADLIVYLRTSPETVYERMKKRARSEESCVPLEYL
 Dm-dNK NGSLEQGMYNTHLEWYKTEESTHITHQADLIVYLRTSPETVYERMKKRARSEESCVPLKYL
 Bm-dNK NNLLHPYQEAFLDEWERETQHNTFIDADLIVYLRTSPETVYERMKKRARSEECVPLSYH
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Ae-dNK QELHELHFNWLIHGTFPRV-APVLVLDADLDLNTSSEYKRSETSIK---PILIDMTNQ
 Ag-dNK KELHELHFNWLIHGASPRP-APVLVLDADLDLNTGAEYERSETSIK---PILIENTNQ
 Dm-dNK QELHELHEDWLIHQRRFQS-CKVLVLDADLNTENIGSEYORSESTED---AIS-SNOOP
 Bm-dNK EELHRLHFDWLIHRIHAECFAPVLVLDADLDLSETDEYKRSEHQLIKKAVNVMSSPNK

nuclear import signal

Ae-dNK H----PILASPSKRSRTTF--
 Ag-dNK H----ATITSPAKRAKTDFF--
 Dm-dNK S----PVLVSPSKRQRVAR--
 Bm-dNK HSPKKPISLTPIKIIPHMRI

Fig. 1

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